

CLAIMS

1. A structural part for a structural arrangement, which includes an angular frame formed of resiliently flexible frame segments that each define a segment of the frame between two corners thereof, and a flexible sheet element that is securely located on the frame and that spans the frame, the structural part being collapsible by performing a manual twisting and folding operation on the frame to thereby provide a compact storage configuration of the structural part.
2. A structural part as claimed in Claim 1, in which the angular frame is a rectangular frame defined by four frame segments.
3. A structural part as claimed in Claim 1 or Claim 2, in which each frame segment of the angular frame comprises an elongate, resiliently flexible frame element and the frame elements are connected together at their ends by connector pieces that form the corners of the angular frame.
4. A structural part as claimed in Claim 3, in which the frame elements are formed of a carbon fibre reinforced material.
5. A structural part as claimed in any one of Claims 2 to 4, in which the frame includes at least one elongate reinforcing element that extends across a pair of frame elements for enhancing the stability of the frame, the configuration and the location of the reinforcing element being such that collapse of the frame is still permitted.
6. A structural part as claimed in Claim 5, in which the at least one elongate reinforcing element extends across a pair of opposite, parallel frame elements.

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7. A structural part as claimed in any one of the preceding claims, in which the flexible sheet element is formed of one of a natural fabric material, a synthetic fabric material, and a synthetic plastics material.
- 5 8. A structural part as claimed in any one of the preceding claims, in which the flexible sheet element has printed display matter applied thereto.
9. A structural arrangement which includes a structural part, the structural part including an angular frame formed of resiliently flexible frame segments that each
10 define a segment of the frame between two corners thereof, and a flexible sheet element that is securely located on the frame and that spans the frame, the structural part being collapsible by performing a manual twisting and folding operation on the frame to thereby provide a compact storage configuration of the structural part.
- 15 10. A structural arrangement as claimed in Claim 9, in which the angular frame of the structural part is a rectangular frame defined by four frame segments.
11. A structural arrangement as claimed in Claim 9 or Claim 10, in which each frame
20 segment of the angular frame of the structural part comprises an elongate, resiliently flexible frame element and the frame elements are connected together at their ends by connector pieces that form the corners of the angular frame.
12. A structural arrangement as claimed in Claim 11, in which the frame elements are
25 formed of a carbon fibre reinforced material.
13. A structural arrangement as claimed in any one of Claims 10 to 12, in which the frame of the structural part includes at least one elongate reinforcing element that extends across a pair of frame elements for enhancing the stability of the frame,
30 the configuration and the location of the reinforcing elements being such that collapse of the frame is still permitted.

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14. A structural arrangement as claimed in Claim 13, in which the reinforcing element extends across a pair of opposite, parallel frame elements.
- 5 15. A structural arrangement as claimed in any one of Claims 9 to 14, in which the flexible sheet element of the structural part is of one of a natural fabric material, a synthetic fabric material and a synthetic plastics material.
16. A structural arrangement as claimed in any one of Claims 9 to 15, in which the flexible sheet element of the structural part has display matter applied thereto.
- 10 17. A structural arrangement as claimed in any one of Claims 9 to 16, which includes at least two structural parts that are securely inter-engaged with one another in the operative configuration of the structural arrangement.
- 15 18. A structural arrangement as claimed in Claim 17, in which the structural parts are inter-engaged by the engagement of the flexible sheet elements thereof.
19. A structural arrangement as claimed in Claim 17, in which the at least two structural parts each include a rectangular frame defined by four frame segments that each comprise an elongate resiliently flexible frame element and the frame elements are connected together at their ends by connector pieces that form the corners of the rectangular frame and in which the two frames of the structural parts include a common frame element, the connector pieces permitting folding of the frames of the structural parts onto one another.
- 20 25 20. A structural arrangement as claimed in Claim 17 or Claim 18, in which the structural parts can fold onto one another to permit simultaneous collapse thereof by performing a twisting and folding operation on the frames thereof.

21. A structural arrangement as claimed in Claim 17, which includes spacer elements that hold structural parts in a spaced configuration with respect to one another in an operative configuration of the structural arrangement.
- 5 22. A structural arrangement as claimed in any one of Claims 9 to 21, which includes legs that can hold at least one structural part of the arrangement at an elevated level above a ground surface.
- 10 23. A structural arrangement as claimed in Claim 22, which is configured to serve the purpose of one of a gazebo, a cover for a vehicle, and a general shade structure.
24. A structural arrangement as claimed in Claim 17, in which structural parts of the structural arrangement are inter-connected and configured in a configuration in which they form an enclosed compartment between them.
- 15 25. A structural arrangement as claimed in any one of Claims 9 to 24, in which the flexible sheet element of at least one structural part has display matter applied thereto and the structural arrangement serves the purpose of a display device.
- 20 26. A structural arrangement as claimed in Claim 25, which includes support means for supporting the structural part having display matter applied thereto in an operative display configuration.
- 25 27. A structural part for a structural arrangement substantially as described in the specification with reference to and as illustrated in the accompanying drawings.
28. A structural arrangement substantially as described in the specification with reference to and as illustrated in the accompanying drawings.